

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer for Rearview Mirror Adhesive
 Item No.: PRIMER 81844 Part of Kit: 81844
 Part No.: 11067-2
 Product Type: Primer

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
n-HEXANE*	110-54-3	95-100
Organo-copper compound	22221-10-9	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
n-HEXANE	50 ppmTWA(skin)	500 ppm TWA 1800 mg/M3	None
Organo-copper compound	Cu 0.2mg/m3fume Cu 1 mg/m3 dust	Cu 0.1mg/m3 Cu 1 mg/m3 dust	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)

3. HAZARDS IDENTIFICATION

Toxicity: Eye, skin, inhalation, and gastrointestinal irritant. Moderately toxic by ingestion.
 Primary Routes of Entry: Inhalation, skin contact.
 Signs and Symptoms of Exposure: Coughing, chest pains, difficulty breathing, lung irritation, edema (which can be fatal), gastrointestinal disturbances, nausea, headache, vomiting, narcosis, coma, and asphyxia.
 Existing Conditions Aggravated by Exposure: Central and peripheral nervous systems, vision defects, memory diminution.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
n-HEXANE	DEV IRR LUN NER REP	NO	NO	NO
Organo-copper compound	NTD	NO	NO	NO

Abbreviations

DEV Developmental	IRR Irritant
LUN Lung	NER Nervous System
NTD No Target Organs	REP Reproductive

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
 Inhalation: Remove to fresh air, apply artificial respiration if necessary, obtain medical attention.
 Skin Contact: Wash with mild soap and water.
 Eye Contact: Flush eyes with water for at least 15 minutes. Obtain medical attention.

LOCTITE CORPORATION

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Product Name: Primer for Rearview Mirror Adhesive
Item No.: PRIMER 81844

5. FIRE FIGHTING MEASURES

Flash Point: 7=F Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting
Procedures: Not available
Hazardous Products formed
by Fire or Thermal Decomp Oxides of carbon.
Unusual Fire or
Explosion Hazards: Vapors may travel considerable to source of
ignition and flash back.

Explosive Limits:
{% by volume in air}Lower 1.2%
{% by volume in air}Upper 7.7%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Maintain adequate ventilation. Extinguish all
sources of ignition. Absorb in an inert absorbent.
Store in a metal container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store away from sources of ignition. Keep
containers closed when not in use. Avoid exposure
to direct sunlight.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid skin contact. Keep away from eyes.
Avoid inhalation of vapors.
Do not use near sources of ignition.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Sufficient to maintain vapor concentration below
TLV. Ventilation should be explosion proof.
Respiratory: Not available
See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid
Odor: Aliphatic
Boiling Point: 156=F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: 0.7
Volatile Organic Compound
(EPA Method 24) Not available
Vapor Pressure: 132 mm Hg at 68=F
Vapor Density: 3.0
Evaporation Rate
(Ether = 1) 9.2

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizing agents.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

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Product Name: Primer for Rearview Mirror Adhesive
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12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity (Not more than one liter);
Hexanes solution (More than one liter)
Hazard Class or Division: ORM-D (Not more than one liter);
Class 3, Packing Group II (More than one liter)
Identification Number: None (Not more than one liter);
UN 1208 (More than one liter)
Marine Pollutant: None
IATA
Proper Shipping Name: Consumer Commodity (Not more than 500 ml);
Hexanes solution (More than 500 ml)
Class or Division: Class 3 (Not more than 500 ml);
Class 3, Packing Group II (More than 500 ml)
UN or ID Number: ID 8000 (Not more than 500 ml);
UN 1208 (More than 500 ml)

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 1
Fire Hazard: 3
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 1
Flammability Hazard: 3
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rearview Mirror Adhesive
 Item No.: ADHESIVE 81844 Part of Kit: 81844
 Part No.: 11067-2
 Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Polyurethane methacrylate resin	Proprietary	45-50
Hydroxyalkyl methacrylate	27813-02-1	30-35
Polymeric plasticizer	68332-62-7	10-15
ACRYLIC ACID*	79-10-7	3-5
CUMENE HYDROPEROXIDE*	80-15-9	1-3
Polyglycol dimethacrylate	109-16-0	1-3
Substituted silane	2530-85-0	1-3
1-Acetyl-2-phenylhydrazine	114-83-0	0.1-1
Saccharin	81-07-2	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydroxyalkyl methacrylate	None	None	1 ppm TWA 3 ppm STEL
ACRYLIC ACID	2 ppm TWA skin 5.9 mg/m ³ skin	10 ppm TWA skin 30 mg/m ³ skin	1 ppm TWA skin 3 ppm STEL skin
CUMENE HYDROPEROXIDE	None	None	1 ppm (6mg/m ³) Skin (WEEL)

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
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3. HAZARDS IDENTIFICATION

Toxicity: Severe eye irritant. Moderate skin irritant.
Possible inhalation irritant. May be harmful if swallowed. May cause kidney or liver damage.

Primary Routes of Entry: Eye, skin, inhalation, ingestion.

Signs and Symptoms of Exposure: May cause severe dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: Acrylic acid: Upper respiratory and lung diseases, dermatitis

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Polyurethane methacrylate resin	No Data	NO	NO	NO
Hydroxyalkyl methacrylate	ALG IRR	NO	NO	NO
Polymeric plasticizer	No Data	NO	NO	NO
ACRYLIC ACID	ALG COR IRR KID LIV	NO	N/A	NO
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
Polyglycol dimethacrylate	ALG IRR	NO	NO	NO
Substituted silane	ALG IRR	NO	NO	NO
1-Acetyl-2-phenylhydrazine	ALG BLO KID MUT SOM	NO	NO	NO
Saccharin	NTD	NO	N/A	NO

Abbreviations

N/A Not Applicable
 BLO Blood
 COR Corrosive

ALG Allergen
 CNS Central nervous system
 IRR Irritant

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Product Name: Rearview Mirror Adhesive
Item No.: ADHESIVE 81844

3. HAZARDS IDENTIFICATION (continued)

KID Kidney
MUT Mutagen
SQM Evidence of some carcinogenicity

LIV Liver
NTO No Target Organs

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.
Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist, obtain
medical attention.
Skin Contact: Wash with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain
medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting
Procedures: Not available
Hazardous Products formed
by Fire or Thermal Decomp Irritating organic vapors
Unusual Fire or
Explosion Hazards: None

Explosive Limits:
(% by volume in air) Lower 2.0% Acrylic acid
(% by volume in air) Upper 8.0% Acrylic acid

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Soak up in an inert absorbent. Store in a partly
filled, closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 100°F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid prolonged skin contact. Keep away from eyes.
Avoid breathing vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Sufficient to maintain vapor concentration below
TLV.
Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light amber liquid
Odor: Sharp
Boiling Point: More than 300°F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: 1.1 at 80°F
Volatile Organic Compound
(EPA Method 24) 38.6%; 425 grams per liter
Vapor Pressure: Less than 5 mm at 80°F
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

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Product Name: Rearview Mirror Adhesive
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10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: None
Conditions to Avoid: Not available
Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.
Estimated dermal LD50 more than 2000 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Ethylene oxide, toluene diisocyanate, toluene

This product contains Saccharin. No Prop65 hazard warning is necessary if this product is used as reasonably anticipated.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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16. OTHER INFORMATION

(continued)

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